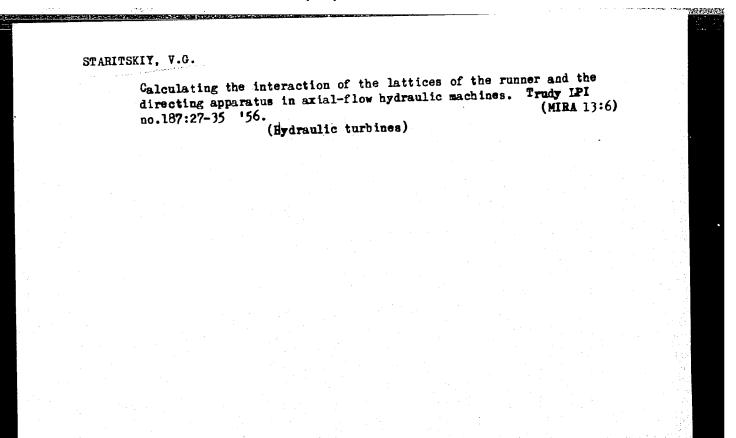
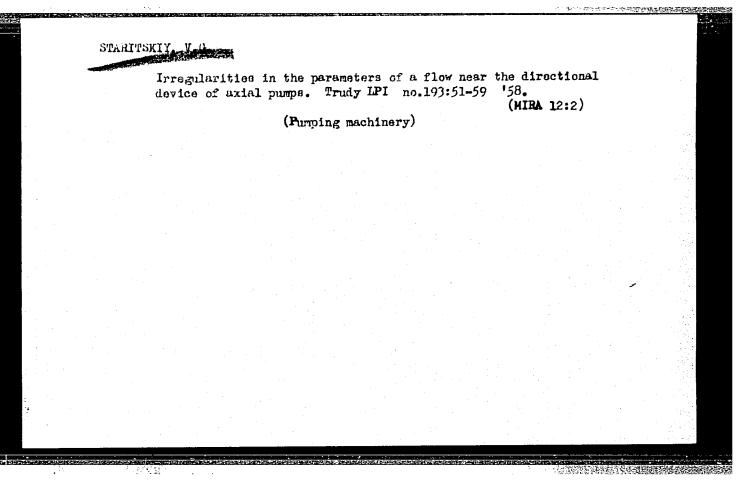
Stapitskiy, V.
LOMAZOVA, D., (Inzhener; STARITSKIY, V., inzhener.

Suggestions of efficiency experts of the Voroshilovgrad Coal Combine. Mast.ugl.3 no.10:17-19 0 54. (MLRA 7:12) (Voroshilovgrad--Coal mines and mining)





8(6), 14(10)

SOV/112-59-4-6672

Translation from: Referativnyy zhurnal. Elektrotekhnika, 1959, Nr 4, p 41 (USSR)

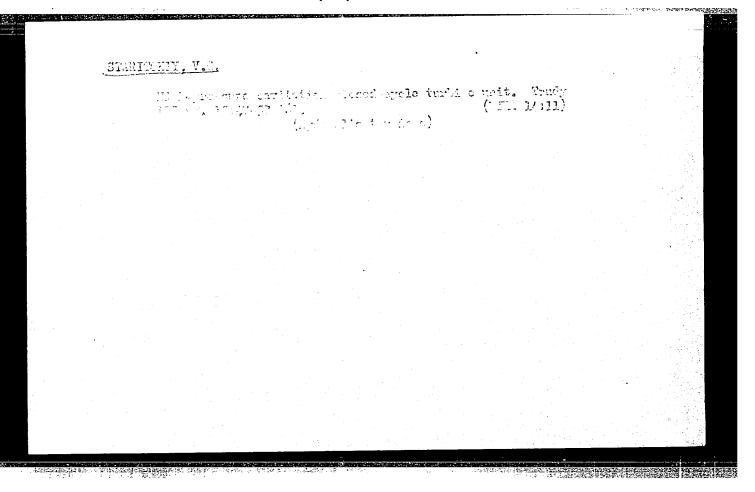
AUTHOR: Staritskiy, V. G.

TITLE: Error in Measuring the Velocity of a Transient Stream

PERIODICAL: Tr. Leningr. politekh. in-ta, 1958, Nr 193, pp 60-65

ABSTRACT: Bibliographic entry.

Card 1/1



STARITSKIY, V.G.; BUSYREV, A.I.

Methods for studying cavitation erosion using hydraulic turbine models. Trudy IPI no.246:69-72 '65. (MIRA 18:6)

EMT(k)/EWT(d)/EWT(m)/I-2/EWP(w)/EWI(f)/EWP(v)IJF(c) EE/FDN ACC NR: AP6027558 SOURCE CODE: UR/0143/66/000/005/0105/0109 AUTHOR: Staritskiv. V. G. (Candidate of technical sciences); Chechel', N. S. (Candidate of technical sciences) ORG: Leningrad Polytechnic Institute im. M. I. Kalinin (Leningradskiy politekhnicheskiy institut) TITLE: A method of reducing energy losses connected with secondary flows in the vane systems of axial turbines SOURCE: IVUZ. Energetiks, no. 5, 1966, 105-109 TOPIC TAGS: axial flow turbine, turbine design ABSTRACT: The article starts with a consideration of the reasons for the appearance of secondary losses. These arise: a) in the case of a fixed grid as a result of the pressure difference between the convex and concave sides of neighboring vanes in the grid; b) in the case of a rotating grid, in addition to the above pressure forces, a centrifugal force is set up in the boundary layer; c) with the presence of sleeves of peripheral gaps, overflow of liquid occurs through the gap as a result of the pressure difference on the two sides of the gap. The article passes on to a consideration of ways to prevent these losses, Card 1/2 UDC: 621.224.15.532.501.312

L Ohc65-67 ACC NR: AP6027558  including the use of finned vanes. It concludes with the following general recommendations: 1) the fins should be located approximately slong the line of flow; 2) the angle between the fin and the vane should not the convex side of the vane; however, they can also be installed on the concave side or on both sides; 4) the fins should be installed on the concave side or on both sides; 4) the fins should be installed at saried along the length of the vane; 5) the height of the fin may be for a vane must be determined experimentally. It is to be expected, figures.  UB CODE: \(\frac{3}{3}\) SUBM DATE: \(\frac{27Sep65}{3}\) ORIG REF: \(017/\) OTH REF: \(008\)								فسيح والمستحدث			1.0	en lan enteren transpert	THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TW
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STARITSKIY, Valentin Ivanovich, inzh.; TARABAN, Saveliy Gavrilovich, inzh.; KABELYANSKIY, G.V., red.; TARSHIS, D.M., red.izd-va; ISLENT'YEVA, P.G., tekhn. red.

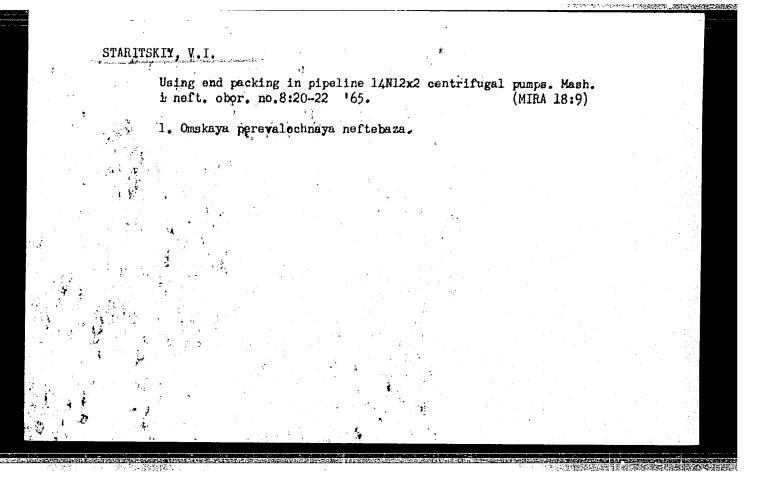
[Use of gas fuel and gas fuel equipment on iron and steel plants] Ekspluatatsiia gazovogo khoziaistva metallurgicheskikh zavodov. Moskva, Metallurgizdat, 1962. 312 p.

(MIRA 15:11)

(Iron and steel plants—Equipment and supplies)
(Gas as fuel)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652920008-8"

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#### STARITSKIY, V.K.

New technology in tank farms. Heftianik 2 no.4:27 Ap '57. (MIRA 10:5)

1. Glavnyy inshener neftebasy Glavneftesbyta. (Petroleum-Storage)

STARITSKIY YE.C.

15-57-7-9862

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 7, pp 162-163 (USSR)

AUTHOR:

Staritskiy, Ye. G.

TITLE:

Aerial Photography in Prospecting for Ore Deposits (Aerometody poiskov i razvedki rudnykh mestorozhdeniy)

PERIODICAL:

Tr. Labor. aerometodov. AN SSSR, 1956, Vol 5, pp 127-

138

ABSTRACT:

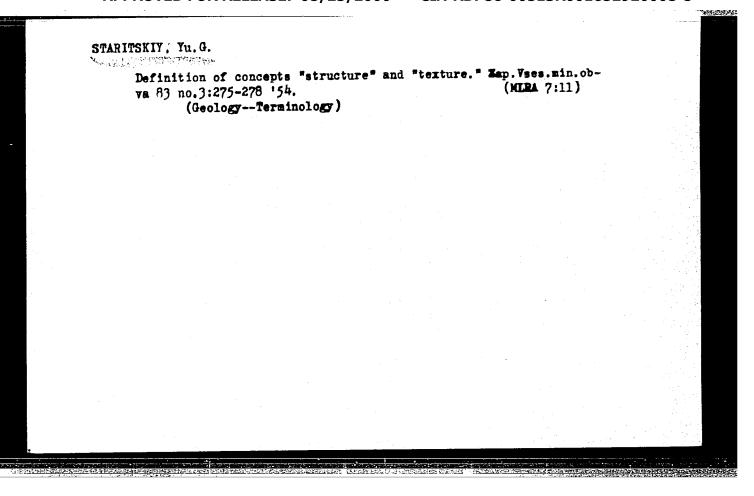
(Note: A study of this article shows it to be based

entirely on well known American material. Hence

translation of the long abstract has been omitted.)

Card 1/1

	P. Land St. Committee of the Committee o	
STARITSKIY, YU. G		
	Native mercury in mineral ore muds (sileks). R. V. Smirnov and Vu. G. Staritskii (Mineral Ore Inst., Krivol Rog, Ukraine). Zapiski Vsesoyus. Mineralos Obshchestva (Mém. soc. russe minéral.) 83, 158(1954).—In ore slicks (Mém. soc. russe minéral.) 83, 158(1954).—In ore slicks	ċ
18.8	native Hg were observed. The metal has been evidently native Hg were observed. The metal has been evidently reduced from cinnabar which is interspersed in the ores, and recurs in the typical oxidation zones of the deposit. Such occurs in the typical oxidation zones of the deposit.	
(1957) (1977) (1977)	occurs in the typical oxidation zones of an occurrence of Hg is relatively rare. The metal passes - an occurrence of Hg is relatively rare. The metal passes through the intense electromagnetic fields of the ore separa- tors of the Krivol Rog metallurgical plants, without any change.  W. Bitel	
		The state of



STARITSKIY YU. G.

USSR/ Scientific Organization - Conferences

Card 1/1

Pub. 45 - 18/18

Authors

: Staritskiy, Yu. G.

Title

THE RESERVE OF THE PARTY OF THE t Conference on the problems of registering and preserving the products

of aerial photography

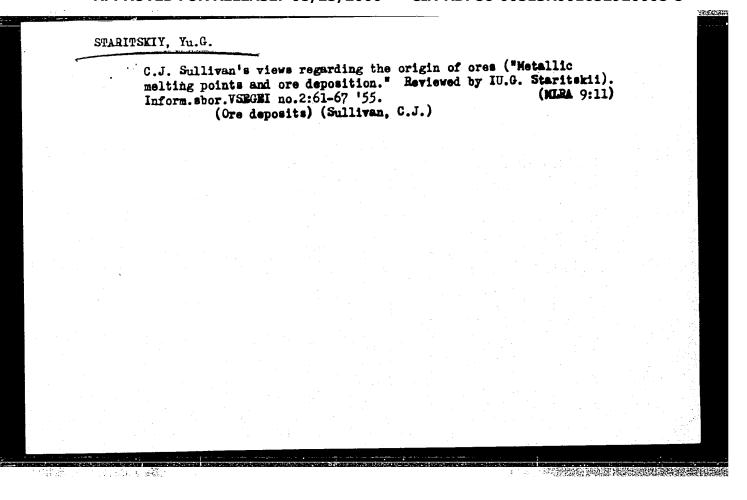
Periodical : Izv. AN SSSR. Ser. geog. 1. page 111, Jan-Feb 1955

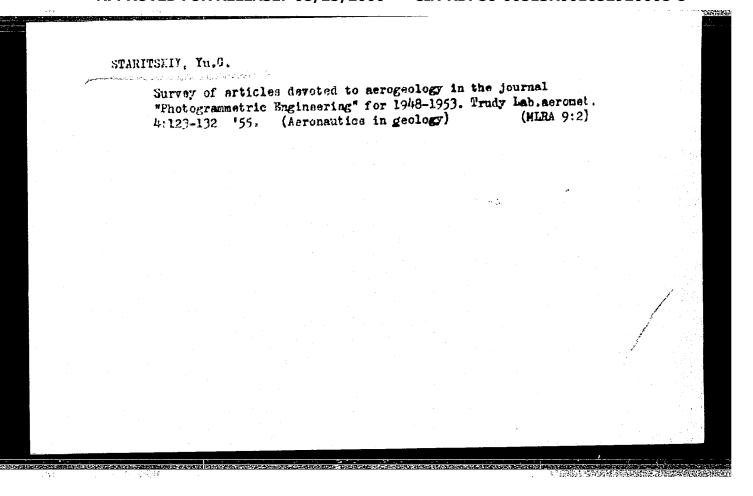
Abstract

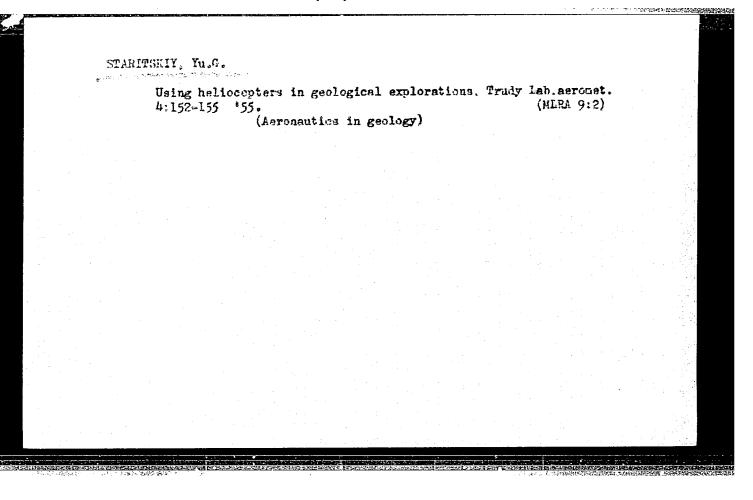
: A conference was held from the 16th to the 18th of November by Geographic Institute of the Academy of Sciences of the USSR in which ways and means for registering and preserving the products of serial photography were discussed. A committee representing various scientific bodies was appointed.

Institution :

Submitted







STARITSKIX YU.G.

USSR/ Geology - Ores

Card 1/1

Pub. 22 - 47/62

Authors

: Staritskiy, Yu. G.

Title

The state of the s About the genetic position of the Krivoyrog rich iron-ores

Periodical : Dok. AN SSSR 102/3, 599 - 600, May 21, 1955

Abstract

\* Various concepts are presented regarding the genesis of the rich iron-ore deposits of the Krivoyrog region in the USSR. Eleven USSR references (1946-1954).

Institution: Acad. of Sc., USS., Lab. of Aeromethods

Presented by: Academician N. M. Strakhov, January 13, 1955

CIA-RDP86-00513R001652920008-8" APPROVED FOR RELEASE: 08/25/2000

STARITSKIY, Yu.G.

Development of the Promyslovoye anticline. Dokl. AN SSSR 105 no.4:803-804 D 155. (MLRA 9:3)

1. Imboratoriya aerometodov Akademii nauk SSSR. Predstavleno akademikom N.S. Shatekim.

(Astrakhan Province--Geology, Stratigraphic)

Aerial methods of prospecting for ore deposits. Trudy Lab.aeromet.
5:127-138 '56. (MLRA 10:1)
(Prospecting) (Aeronautics in geology)

STARITISKIY, Va. G.

3(5)

PHASE I BOOK EXPLOITATION

SOV/1886

- Ob"yedinennaya nauchnaya sessiya po metallogenicheskim i prognoznym kartam, Alma-Ata, 1958.
- Materialy nauchnoy sessii po metallogenicheskim i prognoznym kartam; doklady. (Materials Presented at the Scientific Session on Metallogenetic and Postulated Ore Occurrence Maps; Reports) Alma-Ata, Izd-vo AN Kazakhskoy SSR, 1958. 318 p. Errata slip inserted. 3,850 copies printed.
- Ed.: A.S. Pogozhev; Tech. Ed.: P.F. Alferova,
- Sponsoring Agencies: (1) Akademiya nauk SSSR, (2) Akademiya nauk Kazakhskoy SSR, Alma-Ata, (3) USSR. Ministerstvo geologii i okhrany nedr, (4) Kazakh SSR. Ministerstvo geologii i okhrany nedr.
- PURPOSE: This book is intended for exploration geologists, mining engineers, and cartographers.

Card 1/6

Materials Presented (Cont.)

sov/1886

COVERAGE: This collection of reports was presented at the United Scientific Session on Metallogeny and Postulated Ore Occurrence Maps convoked by the Academy of Sciences in Alma-Ata, December, 1958. The reports deal with various aspects of compiling metallogenetic and ore occurrence maps as well as the methodology and techniques of correlating geophysical exploration data. These reports deal only with non-ferrous metals. Three other reports delivered at the conference but not included in this work were read by Ye.Ye. Zakharov, N.S. Shatskiy, and Yu.K. Goretskiy. References accompany each article.

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Rusakov, M.P., and K.I. Satpayev. [IGN AN KazSSR]. Metallogenetic Characteristics and Regularities in the Manifestation and Endogenic Concentration of Copper in the Soil of Central Kazakhstan

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AVAILABLE: Library of Congress

MM/sfm 6-18-59

Card 6/6

3. 人类的

Akademiya nauk MMR. Ottelening geologo-geografisheskith nauk.  Lonisiya po probleme "Zakonomernosti ranseshcheniya polemykh Iskopayanyida."  Sakonomernosti ranseshcheniya polesnykh iskopayanyida (nagalarities in tipida. 532 p. Errett alip inserted. 2,500 cepts prince. 28 2528, 1558. 532 p. Errett alip inserted. 2,500 cepts prince.  Mesp. Ed.; M.S. Shatekiy, Academician; Editorial Board: H.S. Lantakiy, Academician, D.I. Shchribany, Academician, F.A. Dolyanda, and M. of Tublishing Romes of L. Board; Tehn. Ed.; C. Goave.  PUNCOS: This book is intended for geologists and petrographere, particularly those interested in the worletted attitudine of minerals and the reasons underlying their occurrence.  OCHEMOS: On the basis of particular regional trudies this book attempts to establish the rules governing the distribution of setablis and non-setablis ore deposits. The worlets are laudes articles on the metallogomy of individual minerals, on bread methodological position of the world are included with the world. Six maps deploting the distribution of a particular mineral in the USAO on the basis of its occurrence throughout the world. Six maps deploting the distribution of a particular mineral in the USAO on the basis of its occurrent throughout the world. Six maps deploting the distribution of a particular mineral introducts the world are included with the world.  Particular and the Malallogany of the altay-dayan Provention  Mineral Contenties of Platform Areas  Pirms. G. V., and V.A. Eurostov. Righterities in the Geologie Servation and Distribution of Servary Deposits in the Blay-dayan Typerbasis Provention and Distribution of Servary Deposits in the Distribution of Typitie  Dogately, V.V. Regularities in the Platerious of Pyritie			. +# gg/+, to	adding termi	中华地种类型	<b>洲名</b> 达拉
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Anderiya nauk Sijk. Otdeleniye geologo-geograficheskikh nauk.  Ecaisiya po problems "Zakonomernosti razmeshcheniya polemykh lakopayawich."  Eakonomernosti razmeshcheniye polemykh iskopayewich (Regulartitee in the intritukion of Minaral Deposits vol 1. Moscow, Ind. we MN ESEM, 1953. 532 p. Errata slip inserted. 2,500 copies printed.  Masp. Ed.; M.S. Shatekly, Academician; Editorial Board: M.S. Salazwa, Academician, D.I. Shchenbkow, Andemician; Editorial Board: M.S. Salazwa, R.H. Dolppolov, O.D. Levitskiy, Tu.R. Funkchrovatiy, G.A. Selazwa, Ed. of Publishing House old. Newsoy Tech Ed.; I.S. Casawa  PURROSI: This book is intended for geolgists and petrographere, particularly those interested in the worldride distribution of animerals and the reasons underlying their occurrence.  COVERAGE: On the basis of particular regions studies this book attempts to establish the rules governing the distribution of metallic and non-matallic ore deposits. The work includes articles on the metallic gan on the possibility of predicting the occurrence of metallic and non-matallic ore deposits. The work includes articles on the metallogany of individual minerals, on bread methodological problems, and on the possibility of predicting the occurrence of the world. Six mane deploting the distribution of a particular mineral throughout the world are included with the work.  References accompany such article.  TARLE OF COMPANYS  Startighty, N.G. Certain Magnatic and Metallogenetic Characteristics of Platfore Areas  Portation and Distribution of Mercury Deposits in the Formation and Distribution of Mercury Deposits in the Altay-Sayam Ryperbesis  Distribution of Mercury Deposits in the Altay-Sayam Ryperbesis  Bogatakiy, V.V. Regularities in the Distribution of Titanium Concentrations and its Metallogoscalic Characteristics as  Ones of the Mercury Deposits in the Altay-Sayam Systems of the Concentrations and its Metallogoscalic Characteristics as						
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## STARITSKIY Yu.G.

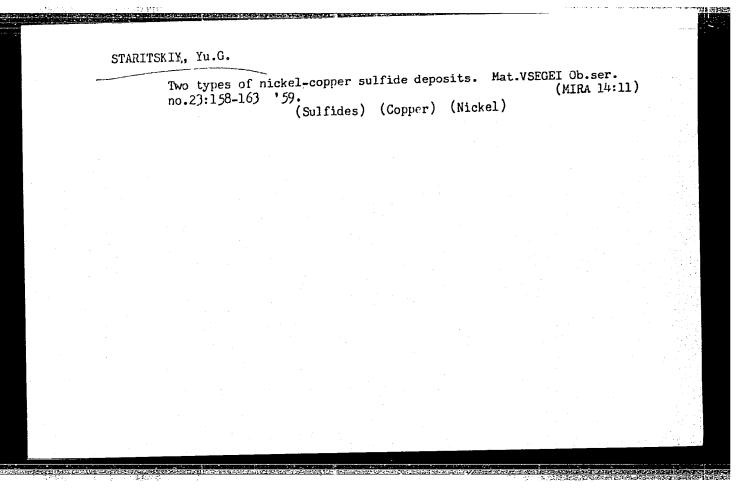
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STARITSKIY, Yu.G.

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STARITSKIY, Yu.G.; DRAGUNOV, V.I.; TUGANOVA, Ye.V.

Nickel potential of the northwestern Siberian Platform. Mat.
VSEGEI no.31:37-44 \*60. (MIRA 14:3)

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1. Chair of Psychiatry and Chair of Ophthalmic Diseases, Crimean Medical Institute, (SCHIZOPHRENIA) (NERVOUS SYSTEM)

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STARITSYN, A.S.

Characteristics of vascular conditioned and unconditioned reflexes in schizophrenia patients in various stages of development of the disease. Zhur. vys. nerv. deiat. 12 no.4:593-601 Jl-Ag '62.

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USSP/Communications
Telephone - Apparatus
Telephone Lines

"Mew Three-Channel High-Frequency Telephone Equipment for Strug-Wire Communications," V. N. Amarantov, G. V. Staritsyn, Engineers, 3 pp

"Vest Svyaza - Elektrosvyaz" Vol VIII, No 11

Subject apparatus uses frequency spectra 6.3-26.7 ko. Intended to work in conjunction with nonferrous strung lines. Terminal and intermediate stations designed to cover (perekrytiye) booster-section attenuation of 5.5 neper at highest transmitting frequency. Length of booster section between terminal and intermediate stations may be \$100-150 km. Total range is 10,000 km. Will function with 15-mm ice layer on wires. Gives basic technical data and details of terminal station. (Concluded in next issue.)

PA 21/h9T19

Sci. Assoc., a sci. res. inst., -e1950-. Engr., State Union Production Exptl. Inst. No. 56, -1943-. Stalin 1st Prize, 1942, communications apparatus; Stalin 3rd Prize, 1949, communications equipment.

STARITSYN, G. V.

"Photoelectric Equipment for Star Transit Recording," by V. E. Brandt, <u>Tr. Tsentr. n.-i in-ta geod.</u>, aeros"emki i Kartogr., No 112, 1956, pp 23-110 (from <u>Referativnyy Zhurnal -- Astronomiya</u>, <u>Geodeziya</u>, No 3, Mar 57, Abstract No 1903 by G. V. Staritsyn)

Some problems of photometry and optics are outlined. The response of the photoelectric equipment is determined by the signal-to-noise ratio at the output of the amplifier of the photoelectric equipment. This ratio should not be below 10. The sources of noise and their elimination are discussed.

The TsNIIGAik photoelectric equipment is described. It consists of a photoelectric attachment, a direct current amplifier with carrier frequency, and a photochronograph. A photoelectric attachment with an FEU-17 photomultiplier was prepared for the transit instrument Askania-Werke No 100304. (U)

Sum. 1360

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sov/35-59-11-8790

Translation from: Referativnyy zhurnal, Astronomiya i Geodeziya, 1959, Nr 11, p 15,

(USSR)

AUTHOR:

Staritsyn, G.V.

TITLE:

The Systematic Errors With a 24-Hour Period During Observations With

Photoelectric Transit Instruments

PERIODICAL:

Izv. Gl. astron. observ. in Pulkovo, 1958, V 21, Nr 2, pp 13 - 51 (résumé

in English)

ABSTRACT:

Errors, with a 24-hour period exist in the Pulkovo observations with a large transit telescope, a transit telescope in the first vertical and a zenith telescope, as well as in observations with the Poltava zenith telescope, the Tashkent time service transit telescope and others. The presence of daily waves leads to the erroneous calculations, from these observations, of the constant of annual aberration. Kurvoisier's hypothesis on cosmic or yearly refraction cannot explain the origin of the daily wave. The analysis of the possible sources of its appearance allows a conclusion to be drawn that the most likely cause of the 24-

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 $\Delta$  hourly wave is the systematic catalogue error of the  $\Delta$   $\alpha$  form, the in-

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The Systematic Errors With a 24-Hour Feriod During Observations With Photoelectric Transit Instruments

accuracy of the accepted value of the aberration constant, the change in the azimuth of the transit telescope, and also the effect of temperature on astronomical instruments and local refractional anomaly. Such reasons as the systematic change in the slant of the air layers of the same density, in connection with the daily change of temperature, pressure and humidity, the daily oscillation of the vertical slit, and the daily motion of the rotation axis of the earth in relation to the main axis of inertia; cannot give rise to substantial waves with a 24-hour period. The author has carried out the processing of a series of observations, 1948 - 1950, made with the Bamberg photoelectric transit telescope of the GAO time service in the LGU observatory. The corrections of clocks were grouped into time means, according to zones symmetrical with reference to the true local midnight, after which the averages were calculated for the whole 3-year cycle of correction differences of the type  $u_{12}h_{-u_1}$  where i = 9, 10, 11 hours; and differences of the  $u_1-u_{12}^h$  where i=13, 14, 15 hours. The analysis of the obtained differences somed their distinct course. Apparently, the reasons for these differences, are the local and refractional anomalies, and the thermic deflections. The obtained material has also served for determining the aberration constant. The

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The Systematic Errors With a 24-Hour Period During Observations With Photoelectric Transit Instruments

result was  $k = 20^{\circ}.484^{\pm}0^{\circ}.021$ , obtained from observations in the system of the photoelectrical catalogue, dealing solely with zenith stars ( $\pm 40^{\circ} \le 10^{\circ}$ ). The inclusion of other stars gave the unreal value of k which is explained mainly by the influence of the unallowed for errors of the azimuth. The analysis of the observations carried out by the author has confirmed the inadequacy of the hypothesis on cosmic refraction. The calculation of the daily term has led to results rather differing from one another, showing that the daily term is the result of the influence of a whole complex of reasons, dependent on local instrument, as well as of a general character. The obtained daily term was found to be similar to that of the large Pulkovo transit telescope, however, its phase was different from that of the daily term of the zenith telescope in the first vertical. Bibl. 52 titles.

D.D. Polozhentsev

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Card 3/3

S/035/62/000/006/005/064 A001/A101

AUTHOR:

Staritsyn, G. V.

TITLE:

Catalog of right ascensions of 208 stars according to observations with the Bamberg photoelectrical transit instrument No. 6353

during 1949-1955

PERIODICAL:

Referativnyy zhurnal, Astronomiya i Geodeziya, no. 6, 1962, 15, abstract 6Al29 ("Izv. Gl. astron. observ. v Pulkove", 1961, v. 22,

no. 1, 25-37, English summary)

TEXT: Observations carried out by the time service of the Main Astronomical Observatory. AS USSR, at the Leningrad University Observatory (1949 - 1954) and at Pulkovo (1954 - 1955) are described. 221 evenings of observations were used to determine corrections to right ascensions of the FK3 catalog; 3,189 observations of stars in the declination zone from -10 to +780 were made. To obtain more uniform material, all observations were processed anew. Cyclic adjustment was conducted by the simplified Kon method, without the diurnal term taken into account and with the condition imposed:  $\sum_i \Delta \propto_i = 0$ . In view of the fact that zenith zone stars of the initial catalog have big errors in right

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Catalog of right ascensions ...

ascensions, and azimuth was determined from the totality of equatorial and zenith stars, four approximations were made. The mean error of one observation of a zenith star, not reduced to the equator, turned out to be  $\pm$  0.018. Comparison tables of the catalog obtained,  $\bigcirc 3'$  (F3'), with other catalogs are presented. An essential devergence of the F3' catalog with catalogs F2 and Fu  $\bigcirc 1$  in the most certain determined near-zenith zone leads to questioning the reliability of the cyclic adjustment method. Therefore, adjustment was performed using the N. N. Pavlov chain method and a new catalog, F3, was obtained. Comparison tables of the F3 catalog with other catalogs are presented. In the equatorial and zenith zones the F3 catalog is close to the system of the Pu  $\bigcirc 1$  catalog in respect to errors  $\triangle \bigcirc 1$ . In respect to errors  $\triangle \bigcirc 1$ , the F3 catalog is very close to the F2 catalog and agrees well with the catalogs Pu $_{0}$ , and F6'. In the declination zone from +50 to +70 the F3 catalog is absolute in respect to  $\triangle 1$ . A comparison of catalogs F3 and FK3 in respect to errors  $\triangle 1$   $\bigcirc 1$  m has shown that the new catalog agrees well with the other modern catalogs. Tables of random errors of catalog positions in various catalogs are presented. Random errors of the F3 catalog amount, on the average, to  $\pm$  0.006, for catalogs

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Catalog of right ascensions ...

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 $\mbox{W250}$  they are markedly larger, for the Pu  $_1$  catalog they are somewhat less. It is noted that the free chain method of adjustment can be recommended for catalog works.

V. Naumov

[Abstracter's note: Complete translation]

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S/026/62/000/005/010/010 D036/D113

AUTHORS:

Pavlov, N.N., and Staritsyn, G.V.

TITLE:

Change in the Earth's speed of rotation about its axis

PERIODICAL: Priroda, no. 5, 1962, 120-121

TEXT: In Professor N.N. Pariyskiy's opinion, the seasonal annual variation in the Earth's speed of rotation about its axis is most likely caused by seasonal atmospheric circulation, in particular by the winter maximum and summer minimum of atmospheric pressure over Eurasia. It is thus considered that the advance by about 1 month of this variation in 1959 was due to the early spring in this region, in particular to the early thaw of snow, which would alter conditions for the arrival of solar radiation on the Earth's surface and thus affect the weather. Temperature readings are given showing that spring did indeed arrive earlier in 1959 in Europe and Northern Asia. It is considered that the prism astrolabe in Paris showed a large change in the Earth's speed of rotation about its axis in July 1959 because of local refraction due to the variation in atmospheric circulation. This

Card 1/2

30

Change in the Earth's speed ...

S/026/62/000/005/010/010 D036/D113

> 。 一种的表示。 1985年 1985

theory is supported by the fact that the time determination systems of various observatories were different in 1959 from those in 1958; the observation system of the Paris Observatory had a clearly defined maximum in July 1959. There is 1 table.

ASSOCIATION: Glavnaya astronomicheskaya observatoriya AN SSSR (Pulkovo) (Main Astronomical Observatory of the AS USSR Pulkovo)

Card 2/2

PAVIOV, N.N.; STARITSYN, G.V.

Variation of the rate of the earth's avial rotation during the

International Geophysical Year and International Geophysical Geophysical Scooperation. Astron. shur. 39 no.1:123-1,4 Ja-F :(2. (MIRA 15:2))

1. Glavnaya astronomicheskaya observatoriya AN SSSR.

(International geophysical year, 1957-1958)

(Earth-Rotation)

STARITSYNA, G. N.: Master Geolog-Mineralog Sci (diss) -- "The petrology of the Fedorov tundra (Central portion of the Kola peninsula)". Leningrad, 1958.

23 pp (Leningrad State Order of Lenin U im A. A. Zhdanov), 200 copies (KL, No 10, 1959, 124)

USSR/Medicine - Physiology
Sulphozin-Therapy

"Concerning the State of the Haemato-Encephalic
Berrier in Sulphozin Therapy," S E Staritsin, 3 pp

"Byul Eksper Biol I Med," Vol XXIII, No 3

These investigations show that in sulphozin therapy the protective function of the haematoencephalic barrier varies with the raising of its permeability for agglutinins and certain inorganic substances (iodine).

STARITSYN, S. Ye.

6973. STARITSYN, S. Ye. Alkogolizm i bor'ba s nim. (Kratkiy nauch. -popul. o check). Krasnoyarsk, Kn. rd., 1954. 24 s. 20sm. 10.000ekz. 60 k. — 55-3065/p

Knizhnaya Letopis' No. 6, 1955

STARITSYN, S.Ye. (Krasnoyarsk)

Case of hypergenitalism in a four-year-old boy [with summary in Singlish, p.126] Probl.endok. i gorm. 3 no.4:119-121 Jl-dg '57.

MIRA 10:12)

(PUBERTY, PRECOCIOUS, case reports.

in 4-year-old boy (Rus))

S/070/63/008/002/017/017 E039/E435

AUTHORS:

Yamzin, I.I., Kuz'minov, Yu.S., Staritsyn, V.Ye.,

Mal'tsev, Ye.I.

TITLE:

A neutron diffractometer

PERIODICAL: Kristallographiya, v.8, no.2, 1963, 302-304

TEXT: This instrument differs from the earlier miniature diffractometer made at the Institute of Crystallography in that it is universal and intended for the investigation of poly and single crystals. The mechanical loading requirement in the design is stringent, e.g. the axial load on the sample stage is about 2 tons. A fairly detailed description of the apparatus is given. Its main dimensions are: length of baseplate 2800 mm, width 1050 mm, height 550 mm, distance from center of sample stage to the end of the cantilever 2000 mm, distance from the center of the stage to the end of the counterweight 650 mm. Overall weight without the electromagnet is about 3 tons. The base is of cast iron with parallel ways for the displacement of the carriage. The latter is moved by means of a worm drive. Ball bearings are used throughout to facilitate operation and ensure long service. All Card 1/3

A neutron diffractometer

S/070/63/008/002/017/017 E039/E435

control is remote except for the reversal of the drive and displacement of the carriage. It has been used with the BBP-M (VVR-M) reactor at the Physico-technical Institute. A collimated beam of neutrons is incident on a monochromator consisting of a single crystal plate of lead cut at an angle of 6° to the (111) plane; dimensions 100 x 175 x 10 mm, before entering the diffracto-The whole of the neutron beam from the channel to the meter. sample is contained in a borated-paraffin shield with lead bricks The shield thickness is about 1 m. outside. A CHMO-5 (SNMO-5) counter placed in a cylindrical channel in borated paraffin is used as a neutron detector on the carriage of the diffractometer. It is used in conjunction with a monitoring counter to correct for fluctuations in the intensity of the primary beam. The resolution  $\Delta \lambda/\lambda = 0.035$  for  $\lambda = 1.13$  Å. Results obtained from a polycrystalline sample of yttrium ferrite are The sample size is diameter 20 mm and length 100 mm. There are 2 figures.

ASSOCIATIONS: Institut kristallografii AN SSSR (Institute of Card 2/3 Crystallography AS USSR) Fiziko-tekhnicheskiy

S/070/63/008/002/017/017
A neutron diffractometer
E039/E435

institut AN SSSR (Physico-technical Institute AS USSR)

SUBMITTED: October 1, 1962

Card 3/3

S/070/62/007/001/006/022 E132/E460

AUTHORS: Yamzin, I.I., Staritsyn, V.Ye., Nozik, Yu.Z.

TITLE: A small-scale neutron diffractometer

PERIODICAL: Kristallografiya, v.7, no.1, 1962, 72-76

The mechanical and electrical construction of a small diffractometer (consisting of a table for the crystal specimen and a swinging arm for the counter) is described. It follows the traditional Bragg spectrometer design, the counter arm moving only in the equatorial plane. The two rotations necessary are provided by selsyn motors connected to the work drives through magnetic A timer controls the rater of rotation. The instrument was tested under typical conditions which were: polycrystalline specimen of Be<sub>2</sub>SiO<sub>4</sub>, 10 mm in diameter and 30 mm high; enriched BF3 counter, followed by cathode follower, pulse amplifier and discriminator, counter, integrator and pen recorder forming one channel and a second channel monitoring the primary beam after the The primary beam was formed by Cd Soller slits Pb monochromator. giving a divergence of 20'; the Pb monochromating crystal had a mosaic spread of 20' and was cut at an angle of 6° to the Card 1/2

A small-scale neutron diffractometer

S/070/62/007/001/006/022 E132/E460

(111) plane there was a further Cd Soller slit collimator in front of the counter, 100 mm long with an acceptance angle of 20%. The record of the powder trace shows a line half-width of about 20% at 9 = 15%. The device was constructed by Laboratoriya struktury kristallov (Laboratory of Crystals Structure) and the konstruktorskiy byuro (Planning office) of the Institute of Crystallography AS USSR. There are 4 figures.

ASSOCIATION: Institut kristallografii AN SSSR

(Institute of Crystallography AS USSR)

SUBMITTED: March 11, 1961

Card 2/2

YAMZIN, I.I.; KUZ'MINOV, Yu.S.; STARITSYN, V.Ye.; MAL'TSEV, Ye.I.

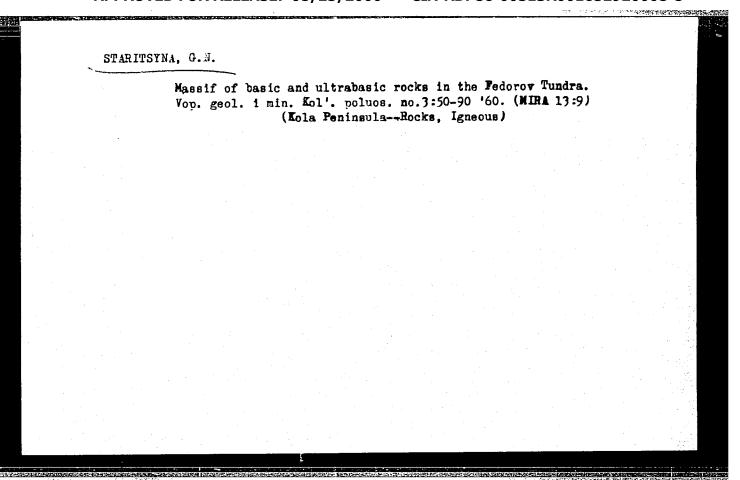
Neutron diffractometer. Kristallografiia 8 no.2:302-304 Mr-Ap 463. (MIRA 17:8)

1. Institut kristallografii AN SSSR i Fiziko-tekhnicheskiy institut AN SSSR.

### STARITSYNA, G.N.

Genesis of gabbro-pegmatites in the Fedorova Tundra. Izv. Kar. i Kol'. fil. AN SSSR no.2:23-39 '58. (MIRA 11:9)

1.Geologicheskiy institut Kol'skogo filiala AN SSSR. (Fedorova Tundra--Pegmatites)



VILENSELY, A.M., KAVAEDIN, G.I., KHAVTSOVA, L.I., STARTISTNA, G.N.

Petrology of trap intrusions. Zap. Vses. min. ob-va 92 no.6; 674-683 163. (MIRA 18:3)

l. Nauchno-issledovatel'skiy institut geologii Arktiki, Leningrad.

VILENSKIY, A.M.; KAVARDIN, G.I.; KRAVTSOVA, L.I.; STARITSYNA, G.N.

Recent data on ore-bearing trap intrusions of the Siberian Platform. Dokl. AN SSSR 148 no.1:183-186 Ja '63. (MIRA 16:2)

1. Nauchno-issledovatel'skiy institut geologii Arktiki. Predstavleno akademikom D.S. Korzhinskim.
(Siberian Flatform--Ore deposits)

STARITSYNA, Ye. S.

Dilantin therapy of epilepsy. Nevropat. psikhiat., Moskva 19 no.5:52-53 Sept-Oct 1950. (CIML 20:1)

1. Of Krasnoyarsk Municipal Psychiatric Dispensary.

1 60319-65 EPF(c)/EPF(r) ACCESSION NR: AP5019114 AUTHOR: Koz'menkov, K. F	; Briskman, B. A.; St	621.039 30 ariznyv, Ye. S.	
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STARK, E.; NIKODEMUSZ, K.; KESZTYUS, L.

Effect of follicular Hormone on diastase activation in vitro. Kiserletes orvostud. 3 no.6:452-454 1951. (CIML 21:4)

1. Institute of Physiology and Pathology, Debrecen Medical University.

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652920008-8"

14 mg 15 mg

STARK, Emil dr.

BCG vaccination of the newborn in one administrative district. Gyermekgyogyassat 5 no.5:144-146 May 54.

1. A jassberenyi Jarasi Korhas (igasgato-foorvos: Kardos Zoltan dr.)
koslemenye. Az Orvos Egesssegugyi Ssaksserveset Tudogyogyass
Ssakcsoportjanak 1953 november 12-en megtartott Eagygyulesen
elhangzott eloadas nyoman.
(BCG VACCIMATION,
of newborn in Hungary)

STARK, Emil, dr.

in a little

The problem of prenature birth in county hospitals. Gyernekgyogyassat 6 no.8:249-256 Aug 55.

1. A Jassberenyi Jarasi Korhas (igasgato-foorvos: Kardos Zoltan dr) koslemenye

(INFANT, PREMATURE

care in county hospitals, admin. problems, mortality) (HOSPITAL ADMINISTRATION

premature infant care, admin.)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652920008-8"

STARK, E.

STARK, E.: MIKODEMUSZ. C.

Effects of estrogens on the glycogen content of the liver. Wien Zschr. Vitamin &c Forsch. 4 no.3:221 Aug 51. (CIML 22:3)

1. Of the Institute of Physiology and Pathophysiology (Directors-Prof.S.Went, E.D. and Prof.L.Kesztyus, K.D.) of De recen University.

SURANYI, S.; ANDRASSY, E.; STARK, E.

The effect of sex hormones on the blood sugar level in man. Orv. hetil. 94 no.21:571-573 24 May 1953. (CIML 25:1)

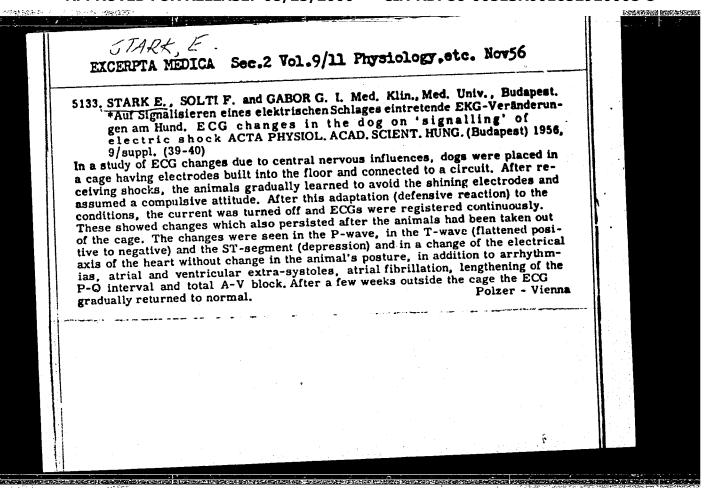
1. Doctors. 2. Women's Clinic (Director -- Prof. Br. Sandor Arvay) and Institute of Physiology and Pathophysiology (Directors -- Prof. Br. Istvan Went and Prof. Dr. Lorand Kesstyus).

STARK E. dr.
SOLTI, Ferenc, dr.; STARK, Ervin, dr.; HEDRI, Endre, dr.

ECT changes in neurotic patients. Orv. hetil. 95 no.39:10711074 26 Sept 54.

1. A Budapesti Orvostudomanyi Egyetem I. sz. Belklinikajanak
(igazgato: Rusznyak Istvan egyet. tanar, akademikus) es Ideg-Elme
Klinikajanak (igazgato: Hyiro Gyula dr. egyet. tanar) koslemenye
(MEUROSES, manifest.

EGG)
(MIECTROCARDIGGRAPHY, in various dis.
neuroses)



STARK, Ervin, az orvostudomanyok kandidatusa; IEMPERT, Karoly; VAGI, Oszkarne

Isolation of benzoic acid from the urine of patients suffering from
hyperfunction of the pituitary and adrenal cortex. Magy. Tudom. Akad.
Biol. Orv. Oszt. Kozl. 8 no.4:415-416 1957.

1. Az MTA Kiserleti Orvostudomanyi Kutato Intezet Korelettani Osztalya
es a Budnpesti Orvostudomanyi Egyetem I. sz. Belklinikaja.

(CUSHING SYNEROME, urine in
benzoic acid isolation (Hun))

(AIRENAL CORTEX, dis.
hyperfunct., isolation of benzoic acid from urine (Hun))

(BENZOATES, in urine
in adrenal cortex hyperfunct. & Cushing synd., isolation
of benzoic acid (Hun))

# "APPROVED FOR RELEASE: 08/25/2000 CIA-RDP8

CIA-RDP86-00513R001652920008-8

ERVIN STARK; SOLTI FERENC; GABOR GYORGY

Electrocardiographic responses to electric shocks in dogs. Magy.
belorv. arch. 10 no.2-3:78-82 Apr-June 57.

1. A Budapesti Orvestudomanyi Egyetem I. sz Belklinikajanak (igazgato:
Rnsznyak Istvan dr. egyetemi tonar) es III. sz Belklinikajanak
(igazgato: Gomori Pal dr egyetemi tandr) kozlemenye.

(ELECTRICITY, eff.
electric shocks, on BCG in dogs (Hum))

(ELECTROCARDIOGRAPHY, exper.
eff. of electric shocks in dogs (Hum))

#### STARK, E.

A CONTRACTOR OF THE PROPERTY O

Contributions to the physiology of the adrenal cortex. I. The influence of the higher nervous activities on the adrenal cortical function. Acta physiol. hung. 12 no.1-3:105-117 1957.

1. 1st Department of Medicine. Medical University, Budapest.

(CENTRAL NERVOUS SYSTEM, physiol.

increased adrenal cortex hormone excretion induced by
electroshock & signal of electroshock in dogs.)

(ADRENAL CORTEX HORMONES, physiol.

increased excretion induced by electroshock & signal of electroshock in dogs.)

Contributions to the physiology of the adrenal cortex. II. Studies on the blood constants and corticoid excretion of adrenal ectomised dogs. Acta physiol, hung. 12 no.1-3:119-124 1957.

1. Department of Pathophysiology, Institute of Experimental Medicine, Hungarian Academy of Sciences.

(ADRENAL CORTEX HORMONES, physiol.

eff. of exper. stress on excretion & blood composition in adrenal ectomised dogs.)

(STRESS, eff.

on adrenal cortex hormone excretion & blood composition in adrenal ectomized dogs.)

(BLOOD

eff. of exper. stress on composition in adrenal ectomised dogs.)

STARK, E.

PAPP, M.; STARK, B.

Changes of lymph flow in experimental sodium loss. Acta physiol. hung. 12 no.1-3:145-151 1957.

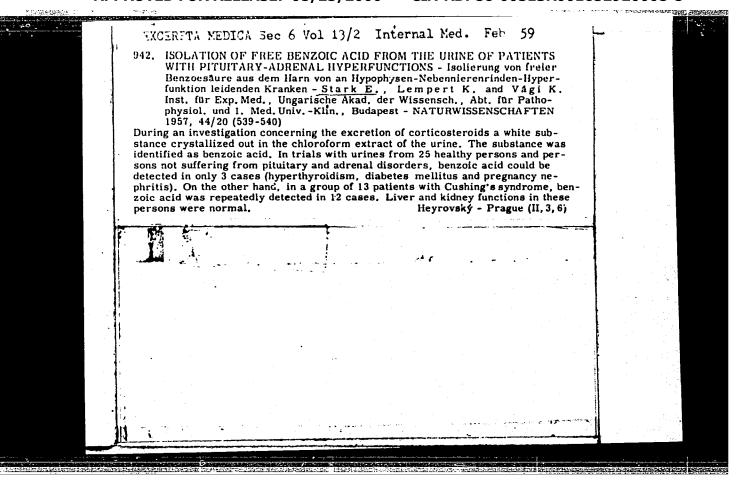
1. Institute for Experimental Medicine of the Hungarian Academy of Sciences, Department of Pathophysiology.

(LYMPH

flow decrease in exper. reduction of sodium content of extracellular space.)

(SODIUM

in extracellular space, decrease in lymph flow after experreduction of content.)



HOLIO, Istvan, dr.; STARK, Ervin, dr.; VAGI, Oszkarne, dr.

Effect of iodine on adrenal cortex function. Orv. hetil. 98
no.12:304 24 Mar 57.

1. A Budapesti Orvostudomanyi Egyetem I. sz. Belklinikajamak
es a MTA Koki Korelettani Osztalyanak (igazgato: Russnyak, Istvan
dr. egyet. tanar, akademikus) kozlemenye.

(ADRENAL CORTEL, eff. of drugs on
iodine, on funct. in men & dogs (Hun))

(IODINE, eff.
on adrenal cortex funct. in men & dogs (Hun))

PAPP, Miklos, (az orvostudomanyok kandidatusa); STARK, Evin, (az orvostudomanyok kandidatusa)

The state of the s

Changes in lymph flow in experimental sodium loss. Magy. Tudom. Akad. Orv. Oszt. Kozl. 9 no.1:93-98 1958.

1. Az M. T. A. Kiserletes Orvostudomanyi Kutato Intezet Korelettani Osztalya.

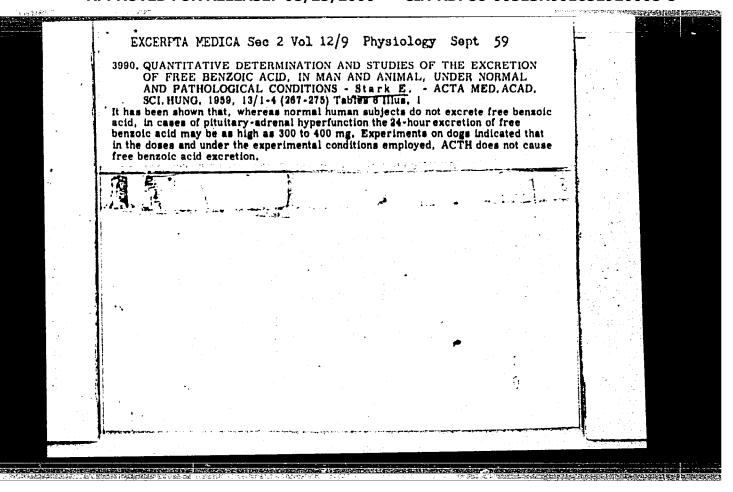
(LYMPH flow, proportional decrease in decrease of sodium content of extracellular space in exper. animals (Hun))

in extracellular space, decrease in content followed by proportional decrease of lymph flow in exper. animals (Hun))

FOLDI, Mihaly, dr.; STARK, Ervin, dr.; REV. Judit, dr.; MIHALY, Katalin, dr.; HERMANN, Robert, dr.; REFI, Zoltan, dr.

Spontaneous excretion of benzoic acid in renal patients. Magv. belorv.arch. 12 no.6:164-168 D 159.

1. A Magyar Tudomanyos Akademia Kiserleti Orvostudomanyi Kutato Intezete es a Budapesti Orvostudomanyi Egyetem I. sz. Belklinikaja (igazgato: Dr. Rusznyak Istvan egyetemi tanar) kozlemenye. (KIDHEY DISHASES urine)



FOLDI, M.; STARK, E.; REV, J.; MIHALY, K.; HERMAN, R.; REFI, Z.

Spontaneous benzoic acid excretion in kidney diseases. Acta med.hung. 14 no.3:303-311 159.

1. Forschungsinstitut für Experimentelle Medizin der Ungarischen Akademie der Wissenschaften und I. Medizinische Universitätsklinik, Budapest.

(BENZOATES urine) (KIDNEY DISEASES urine)

STARK, E.; SOLTI, F.; PAPP, M.

Studies on the mechanism of spontaneous fluctuations of ETG in the dog. Acta med. hun. 14 no.4:345-352 159.

1. Forschungsinstitut für Experimentelle Medizin der Ungarischen Akademie der Wissenschaften, Abteilung für Pathophysiologie, Budapest.

(ELECTROCARDIOGRAPHY)

STARK ERVIN, DR.; HOLIAN ZSUZSA, DR.

Role of the adrenal cortex in the development of anemias and trophic disturbances following nerve resection; preliminary report. Orv. het il. 100 no.1:23 4 Jan 59.

1. A Magyar Tudomanyos Akademia Kiserleti Orvostudomanyi Kutato Intezet Korelettani Osztalyanak (igazgato: Rusznyak Istvan dr. Akademikus) kozlemenye.

(ADRENA LECTOMY, eff.

on develop. of anemia & nutritional disord. in rats following resection of femoral & sciatic nerves (Hun))

(ANEMIA, exper.

induction by resection of femoral & sciatic nerves in rats, eff. of adrenal ectomy on develop. (Hun))

(NUTRITIONAL DISORDERS, exper.

same)

(NERVES, FEMORAL, physiol.

resection inducing anemia & nutritional disord. in rats, eff. of adrenalectomy on develop. (Hun))

(NERVES, SCIATIC, physicl.

same)

ROSZNYAK, Istvan, akademikus; HOLLAN, Zsuzsa, az orvostudomanyok kandidatusa; STARK, Etvin, as orvostudomanyok kandidatusa; FOLDI, Mihaly, az orvostudomanyok doktora

The role of the hypophysis-adrenal gland cortex system in the development of trophic troubles. Biol orv kozl MTA 11 no.2/3:177-193 \*60.

(EEAI 10:5)

1. Magyar Tudomanyos Akademia Kiserleti Orvostudomanyi Kutato Intezet Korelettani Osztaly. 2. Magyar Tudomanyos Akademia (for Rusznyak)

(PITUITARY BODY)
(ADRENAL GLANDS)
(ANEMIA)

RUSZNYAK, I.; STARK, E.; HOLLAN, S.R.; FOLDI, M.

SEAR .

The effect of the pituitary - adrenocortical system on the trophic and haematologic changes following nerve resection. Acta med.hung. 16 no.4:437-443 160.

1. Department of Bathophysiology, Institute of Experimental Medical Research (Director: I.Rusznyak), Hungarian Academy of Sciences, Budapest.

(VITAMIN P pharmacol)
(ADRENAL CORTEX pharmacol)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652920008-8"

RUSZNYAK, I.; HOLLAN, S.R.; STARK, E.: FOLDI, M.

The effect of the pituitary - adrenocortical system on the trophic, and haematologic changes following nerve resection. Acta med.hung. 16 no.4:429-436 160.

1. Department of Pathophysiology, Institute of Experimental Medical Research (Director: I. Russnyak), Hungarian Academy of Sciences, Budapest.

(HYPOPHYSECTOMY exper)
(ADRENALECTOMY exper)
(SCIATIC NERVE physiol)
(FEMORAL NERVE physiol)

RUSZNYAK, Istvan, akademikus; STARK, Ervin az orvostudomanyok kandidatusa; FOLDI, Mihaly, az orvostudomanyok doktora; BUKI, Bela; JUVANCZ Ireneusz, dr.; FISCHER, Janos, matematikus

Investigations in determining the effect of rutin and ascorbic acid on the capillary resistance in rats. Biol orv kozl MTA 13 no.1-2:1-10 462.

1. Magyar Tudomanyos Akademia Kiserleti Orvostudomanyi Kutato Intezete (for Busznyak, Stark, Foldi, and Buki). 2. Magyar Tudomanyos Akademia Alkalmazott Matematikai Intezete Biometriai Csoportja vezetoje (for Juvanez).

STARK, E.; ZADORY, E.; LAPIS, K.

The role of the adrenal cortical hormones in x-ray-induced liver changes. Acta med. acad. sci. Hung. 18 no.1:127-130 '62.

1. Institute of Experimental Medical Research, Hungarian Academy of Sciences, Department of Pathophysiology, Budapest and I Department of Medicine, Medical University, Budapest.

(ADRENAL CORTEX HORMONES pharmacol) (LIVER radiation eff) (RADIATION INJURY exper)

FACHET, J.; STARK, E.; VALLENT, K.; PALKOVITS, M.

Some observations on the functional interrelationship between the thymus and the adrenal cortex. Acta med. acad. sci. hung. 18 no.4: 461-466 '62.

1. Department of Pathophysiology, Research Institute of Experimental Medicine, Hungarian Academy of Sciences (Director: I. Rusznyak), and 1st Department of Surgery (Director: E. Hedri), University Medical School, Budapest.

(THYMUS GLAND) (ADRENAL CORTEX) (ALDOSTERONE)

(CORTICOSTERONE) (FORMALDEHYDE)